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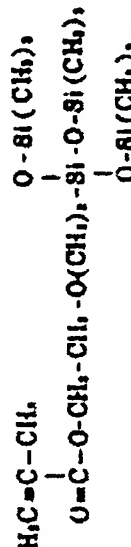
APPLICATION DATE : 20-12-83
APPLICATION NUMBER : 58238978

APPLICANT : NIPPON CONTACT LENS SEIZO KK;

INVENTOR : HARADA TATSUO;

INT.CL. : G02C 7/04

TITLE : CONTACT LENS MATERIAL



ABSTRACT : PURPOSE: To obtain a contact lens material having particularly excellent oxygen permeability and wettability with water by using a copolymer of methacryloxyethoxypropyl tris(trimethylsiloxy) silane and (meth)acrylate of mono- or polyhydric alcohol of $\leq 10\text{C}$.

CONSTITUTION: The silane compd. expressed by the formula and the ester of (meth)acrylic acid of mono- or polyhydric alcohol of $\leq 10\text{C}$ are copolymerized. The copolymerization is effected particularly at a monomer ratio of 5-80pts.wt. the silane expressed by the formula and 95-20pts.wt. said ester and 0.01pt.wt. a polymn. initiator such as 2,2'-azobis(2,4-dimethylvaleronitrile) or the like is added thereto. The mixture is cast into a cylindrical mold and the upper space thereof is substd. with gaseous N_2 . The mixture is polymerized in an oven substd. with gaseous N_2 . A contact lens is manufactured from the resulted colorless transparent and hard bar-shaped block by an ordinary working method. The hard contact lens which has good wettability with water, has large O_2 permeability, permits long-time continuous wearing and strong and tough is thus easily obtd.

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